STRUCTURAL ENCLOSED ROTOR CONFIGURATION FOR ELECTRIC MACHINE

ABSTRACT OF THE DISCLOSURE

[0023] A rotor configuration for an electric machine includes a rotor shaft and a multi-pole rotor core secured to the rotor shaft. A plurality of field winding modules are respectively disposed over each pole of the multi-pole rotor core. An enclosure is disposed over the field winding modules for containing the field winding modules over the rotor core. A magnetic shield is disposed over the field winding modules between the field winding modules and the enclosure. The simplified construction reduces manufacturing time and costs.